



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 North Hilton • Boise, Idaho 83706-1255 • (208) 373-0502

Dirk Kempthorne, Governor
C. Stephen Allred, Director

January 3, 2001

CERTIFIED MAIL #7099 3220 0006 2682 0989

Kirt Rhoads, Senior Environmental Specialist
Northwest Pipeline Corporation
295 Chipeta Way
Salt Lake City, UT 84108

RE: 9506-082-1, Northwest Pipeline Corporation, Pegram Compressor Station
(Final Tier I Operating Permit No. 007-00004)

Dear Mr. Rhoads:

The Idaho Department of Environmental Quality (DEQ) is issuing Tier I Operating Permit Number 007-00004 for Northwest Pipeline Corporation, Pegram Compressor Station, in accordance with Title V of the Clean Air Act and IDAPA 58.01.01.300 through 386 (*Rules for the Control of Air Pollution in Idaho*). This operating permit which is effective immediately summarizes the applicable requirements for your facility and requires an annual compliance certification for all emissions units.

The enclosed operating permit is based on the information contained in your permit application, received June 22, 1995. Modifications to and/or renewal of this operating permit shall be requested in a timely manner in accordance with the *Rules for the Control of Air Pollution in Idaho*.

You are strongly encouraged to attend a meeting with DEQ to discuss the permit terms and requirements with which your facility must comply. Larry Sims of the Pocatello Regional Office will contact you regarding this meeting. DEQ strongly recommends that in addition to your facility's plant manager, your responsible official, environmental contact, and any operations staff responsible for day-to-day compliance with permit conditions also attend the meeting.

You, as well as any other entity, have the right to appeal this final agency action pursuant to Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "*Rules Governing Contested Case Proceedings and Declaratory Rulings*," by filing a petition with the Hearings Coordinator, DEQ, 1410 N. Hilton, Boise, ID 83706-1255, within thirty-five (35) days of the date of this decision. Also, in accordance with IDAPA 58.01.01.366.04.a, any person may petition the Environmental Protection Agency (EPA) to object to this permit within sixty (60) days after the expiration of the EPA's forty-five (45) day review period. However, we encourage you to contact Marjorie MartzEmerson to address any concerns you may have with the enclosed permit prior to filing a petition for a contested case.

If you have any questions, please contact Mark Dietrich at (208) 236-6160 or Marjorie MartzEmerson at (208) 373-0502.

Sincerely,

A handwritten signature in cursive script that reads "Orville D. Green".

Orville D. Green
Program Administrator
State Air Quality Program

ODG:GG:bm:ms TVcover.doc

Enclosure

Copy: Pocatello Regional Office DEQ State Office Laurie Kral, EPA Region X


State of Idaho Department of Environmental Quality AIR POLLUTION OPERATING PERMIT GENERAL INFORMATION	PERMIT NUMBER <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">7</div> - <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">4</div> AQCR CLASS SIC <div style="border: 1px solid black; display: inline-block; padding: 2px;">0</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">6</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">1</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">A</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">4</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">9</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">2</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">2</div> ZONE UTM COORDINATE (km) <div style="border: 1px solid black; display: inline-block; padding: 2px;">1</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">2</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">4</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">8</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">7</div> - <div style="border: 1px solid black; display: inline-block; padding: 2px;">1</div> , <div style="border: 1px solid black; display: inline-block; padding: 2px;">4</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">6</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">3</div> <div style="border: 1px solid black; display: inline-block; padding: 2px;">3</div> . <div style="border: 1px solid black; display: inline-block; padding: 2px;">3</div>	
1. PERMITTEE Northwest Pipeline Corporation; Pegram Compressor Station		
2. PROJECT Tier 1 Operating Permit		
3. MAILING ADDRESS 295 Chipeta Way	TELEPHONE # (801) 584-6763	COUNTY Bear Lake
4. CITY Salt Lake City	STATE Utah	ZIP CODE 84108
5. FACILITY CONTACT Kirt Rhoads	TITLE Senior Environmental Specialist	
6. RESPONSIBLE OFFICIAL Michael Falk	TITLE Director, Operations	
7. EXACT PLANT LOCATION Section 14, T-15-S, R-45-E		
8. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Natural Gas Transmission		
9. PERMIT AUTHORITY This Tier I operating permit is issued pursuant to Idaho Code § 39-115 and the <i>Rules for the Control of Air Pollution in Idaho</i> , IDAPA 58.01.01.300 through 386. The permittee shall comply with the terms and conditions of this permit. This permit incorporates all applicable terms and conditions of prior air quality permits issued by the Department of Environmental Quality (DEQ) for the permitted source, unless the permittee emits toxic pollutants subject to state-only requirements pursuant to IDAPA 58.01.01.210, and the permittee elects not to incorporate those terms and conditions into this operating permit. The effective date of this permit is the date of signature by DEQ on the cover page.		
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 45%;">  <hr/> PROGRAM ADMINISTRATOR, STATE AIR QUALITY PROGRAM DEPARTMENT OF ENVIRONMENTAL QUALITY </div> <div style="width: 50%;"> ISSUED DATE January 3, 2001 EXPIRATION DATE January 3, 2004 </div> </div>		

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**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

A. FACILITY-WIDE CONDITIONS

A. FACILITY-WIDE CONDITIONS

The following table contains a summary of requirements that apply generally to emissions units at the facility:

Permit Condition	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring & Record-keeping Requirements
A.1	Fugitive Dust	Reasonable Control	IDAPA 58.01.01.651	A.2, A.3, A.4, A.10
A.5	Odor	Reasonable Control	IDAPA 58.01.01.775-776	A.6
A.7	Opacity	20% for more than 3 minutes in any sixty (60) minute period	IDAPA 58.01.01.625	A.8, A.15, A.16

Fugitive Emissions

- A.1. All reasonable precautions shall be taken to prevent particulate matter from becoming airborne in accordance with IDAPA 58.01.01.650-651.
[IDAPA 58.01.01.650-651, 5/1/94]
- A.2. Unless specified elsewhere in this permit, the permittee shall monitor and record the frequency and the method(s) used (i.e., water, chemical dust suppressants, etc.) to reasonably control fugitive emissions.
[IDAPA 58.01.01.322.06, .07, 5/1/94]
- A.3. Unless specified elsewhere in this permit, the permittee shall maintain records of all fugitive dust complaints received. The permittee shall take appropriate corrective action as expeditiously as practicable after a valid complaint is received. The records shall, at a minimum, include the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.
[IDAPA 58.01.01.322.06, .07, 5/1/94]
- A.4. Unless specified elsewhere in this permit, the permittee shall conduct a quarterly facility-wide fugitive emission inspection of potential sources of fugitive emissions, during daylight hours and under normal operating conditions to ensure that the methods used to reasonably control fugitive emissions are effective. If fugitive emissions are not being reasonably controlled, the permittee shall take corrective action as expeditiously as practicable. The permittee shall maintain records of the results of each quarterly fugitive emission inspection. The records shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time fugitive emissions are present (if observed), any corrective action taken in response to the fugitive emissions, and the date the corrective action was taken.
[IDAPA 58.01.01.322.06, .07, .08, 5/1/94]

Odors

- A.5. No person shall allow, suffer, cause, or permit the emission of odorous gases, liquids, or solids to the atmosphere in such quantities as to cause air pollution.
[IDAPA 58.01.01.775-776, 5/1/94 (Federally enforceable; however, this provision will become state-only enforceable upon removal from the SIP)]

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SOURCE
A. FACILITY-WIDE CONDITIONS

- A.6. Unless specified elsewhere in this permit, the permittee shall maintain records of all odor complaints received. If the complaint has merit, the permittee shall take appropriate corrective action as expeditiously as practicable. The records shall, at a minimum, include the date that each complaint was received and a description of the following: the complaint, the permittee's assessment of the validity of the complaint, any corrective action taken, and the date the corrective action was taken.

[IDAPA 58.01.01.322.06,.07 (state-only), 5/1/94]

Visible Emissions

- A.7. No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period which is greater than twenty percent (20%) opacity as determined by procedures contained in IDAPA 58.01.01.625. These provisions shall not apply when the presence of uncombined water, nitrogen oxides, and/or chlorine gas are the only reason(s) for the failure of the emission to comply with the requirements of this section.

[IDAPA 58.01.01.625, 5/1/94]

- A.8. Unless specified elsewhere in this permit, the permittee shall conduct a quarterly facility-wide visible emission inspection of potential sources of visible emissions, during daylight hours and under normal operating conditions. If any visible emissions are present from any point of emission, the permittee shall take appropriate corrective action as expeditiously as practicable. If opacity is greater than twenty percent (20%) for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period, the permittee shall take all necessary corrective action and report the exceedance in its annual compliance certification and in accordance with IDAPA 58.01.01.130-136. The permittee shall maintain records of the results of each quarterly visible emission inspection. The records shall, at a minimum, include the date of each inspection and a description of the following: the permittee's assessment of the conditions existing at the time visible emissions are present (if observed), any corrective action taken in response to the visible emissions, and the date corrective action was taken.

[IDAPA 58.01.01.322.06, .07, .08, 5/1/94]

Excess Emissions

- A.9. Unless specified elsewhere in this permit, the permittee shall comply with the procedures and requirements of IDAPA 58.01.01.130-136 for excess emissions. The provisions of IDAPA 58.01.01.130-136 shall govern in the event of conflicts between the Subsections of A.9. and the regulations of IDAPA 58.01.01.130-136.

- A.9.1. The person responsible for, or in charge of a facility during, an excess emissions event shall, with all practicable speed, initiate and complete appropriate and reasonable action to correct the conditions causing such excess emissions event; to reduce the frequency of occurrence of such events; to minimize the amount by which the emission standard is exceeded; and shall, as provided below or upon request of the Department, submit a full report of such occurrence, including a statement of all known causes, and of the scheduling and nature of the actions to be taken.

[IDAPA 58.01.01.132, 4/5/00]

- A.9.2. In all cases where startup, shutdown, or scheduled maintenance of any equipment or emission unit is expected to result or results in an excess emissions event, the owner or operator of the facility or emissions unit

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PERMIT NUMBER

007 - 00004

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SOURCE
A. FACILITY-WIDE CONDITIONS

generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.133.01(a) through (d), including, but not limited to:

[IDAPA 58.01.01.133, 4/5/00]

- A.9.2.1. A prohibition of any scheduled startup, shutdown, or maintenance resulting in excess emissions shall occur during any period in which an Atmospheric Stagnation Advisory and/or a Wood Stove Curtailment Advisory has been declared by the Department; and

[IDAPA 58.01.01.133.01.a, 3/20/97]

- A.9.2.2. Notifying the Department of the excess emissions event as soon as reasonably possible, but no later than two (2) hours prior to the start of the excess emissions event unless the owner or operator demonstrates to the Department's satisfaction that a shorter advanced notice was necessary.

[IDAPA 58.01.01.133.01.b, 4/5/00]

- A.9.2.3. The owner or operator of a source of excess emissions shall report and record the information required pursuant to Sections A.9.4. and A.9.5. of this permit and IDAPA 58.01.01.135 and 136 for each excess emissions event due to startup, shutdown, or scheduled maintenance.

[IDAPA 58.01.01.133.01.c, 3/20/97]

- A.9.3. In all cases where upset or breakdown of equipment or an emissions unit, or the initiation of safety measures, results or may result in an excess emissions event, the owner or operator of the facility or emissions unit generating the excess emissions shall demonstrate compliance with IDAPA 58.01.01.134.01(a) and (b) and the following:

[IDAPA 58.01.01.134, 4/5/00]

- A.9.3.1. For all equipment or emissions units from which excess emissions result during upset or breakdown conditions, or for other situations that may necessitate the implementation of safety measures which cause excess emissions, the facility owner or operator shall comply with the following:

[IDAPA 58.01.01.134.02, 4/5/00]

- A.9.3.1.1. The owner or operator shall immediately undertake all appropriate measures to reduce and, to the extent possible, eliminate excess emissions resulting from the event and to minimize the impact of such excess emissions on the ambient air quality and public health.

[IDAPA 58.01.01.134.02.a, 4/5/00]

- A.9.3.1.2. The owner or operator shall notify the Department of any upset/breakdown/safety event that results in excess emissions. Such notification shall identify the time, specific location, equipment or emissions unit involved, and (to the extent known) the cause(s) of the occurrence. The notification shall be given as soon as reasonably possible, but no later than twenty-four (24) hours after the event, unless the owner or operator demonstrates to the Department's satisfaction that the longer reporting period was necessary.

[IDAPA 58.01.01.134.02.b, 4/5/00]

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SOURCE
A. FACILITY-WIDE CONDITIONS

- A.9.3.1.3. The owner or operator shall report and record the information required pursuant to Sections A.9.4. and A.9.5. of this permit and IDAPA 58.01.01.135 and 136 for each excess emissions event caused by an upset, breakdown, or safety measure.

[IDAPA 58.01.01.134.02.c, 3/20/97]

- A.9.3.2. During any period of excess emissions caused by upset, breakdown, or operation under facility safety measures, the Department may require the owner or operator to immediately reduce or cease operation of the equipment or emissions unit causing the excess emissions until such time as the condition causing the excess emissions has been corrected or brought under control. Such action by the Department shall be taken upon consideration of the factors listed in IDAPA 58.01.01.134.03 and after consultation with the facility owner or operator.

[IDAPA 58.01.01.134.03 4/5/00]

- A.9.4. A written report for each excess emissions event shall be submitted to the Department by the owner or operator no later than fifteen (15) days after the beginning of each such event. Each report shall contain the information specified in IDAPA 58.01.01.135.02.

[IDAPA 58.01.01.135.01, .02, .03, 3/20/97]

- A.9.5. The owner or operator shall maintain excess emissions records at the facility for the most recent five (5) calendar year period. The excess emissions records shall be made available to the Department upon request. The excess emissions records shall include the information requested by IDAPA 58.01.01.136.03(a) and (b) as summarized in the following:

[IDAPA 58.01.01.136.01, .02, .03, 3/20/97]

- A.9.5.1. An excess emissions records book for each emissions unit or piece of equipment containing copies of all reports that have been submitted to the Department pursuant to IDAPA 58.01.01.135 for the particular emissions unit or equipment; and

[IDAPA 58.01.01.136.03.a, 4/5/00]

- A.9.5.2. Copies of all startup, shutdown, and scheduled maintenance procedures and upset/breakdown/safety preventative maintenance plans which have been developed by the owner or operator in accordance with IDAPA 58.01.01.133 and 134, and facility records as necessary to demonstrate compliance with such procedures and plans.

[IDAPA 58.01.01.136.03.b, 3/20/97]

[IDAPA 58.01.01.130-136, 4/5/00 (state-only; however, this provision will become federally enforceable upon EPA approval into the SIP), .322.08.b, 3/23/98]

Reports and Certifications

- A.10. All periodic reports and certifications required by this permit shall be submitted to the Department within thirty (30) days of the end of each specified reporting period. Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130-136. Reports, certifications, and notifications shall be submitted to:

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PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

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The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE**A. FACILITY-WIDE CONDITIONS**

Air Quality Permit Compliance
Department of Environmental Quality
Pocatello Regional Office
224 South Arthur
Pocatello, ID 83204

The periodic compliance certification required by General Provision 21 shall also be submitted within thirty (30) days of the end of the specified reporting period to:

EPA Region 10
Air Operating Permits, OAQ-107
1200 Sixth Avenue
Seattle, WA 98101

[IDAPA 58.01.01.322.08, .11, 5/1/94]

Monitoring and Recordkeeping

- A.11. The permittee shall maintain sufficient recordkeeping to assure compliance with all of the terms and conditions of this operating permit. Recording of monitoring information shall include, but not be limited to: (a) the date, place, and times of sampling or measurements; (b) the date analyses were performed; (c) the company or entity that performed the analyses; (d) the analytical techniques or methods used; (e) the results of such analyses; and (f) the operating conditions existing at the time of sampling or measurement. All monitoring records and support information shall be retained for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes, but is not limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by this permit. All records required to be maintained by this permit shall be made available to Department representatives upon request in either hard copy or electronic format.

[IDAPA 58.01.01.322.07, 5/1/94]

Open Burning

- A.12. The facility shall comply with the requirements of IDAPA 58.01.01.600-616, Rules for Control of Open Burning.

[IDAPA 58.01.01.600-616, 5/1/94]

Renovation and Demolition

- A.13. The permittee shall comply with all applicable portions of 40 CFR Part 61, Subpart M when conducting any renovation or demolition activities at the facility.

[40 CFR 61 Subpart M]

Regulated Substances for Accidental Release Prevention

- A.14. An owner or operator of a stationary source that has more than a threshold quantity of a regulated substance in a process, as determined under 40 CFR 68.115, shall comply with the requirements of the Chemical Accident Prevention Provisions at 40 CFR Part 68 no later than the latest of the following dates:

ISSUED:	January 3, 2001
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SOURCE
A. FACILITY-WIDE CONDITIONS

A.14.1. Three years after the date on which a regulated substance present above a threshold quantity is first listed under 40 CFR 68.130; or

A.14.2. The date on which a regulated substance is first present above a threshold quantity in a process.

[40 CFR 68.10 (a)]

Test Methods

A.15. If testing is required, the permittee shall use the following test methods to measure the pollutant emissions:

Pollutant	Test Method	Special Conditions
PM ₁₀	EPA Method 201A*	
PM	EPA Method 5*	
NO _x	EPA Method 20*	Method 20 is listed under 40CFR335 as the appropriate test method for NSPS gas turbines.
SO ₂	EPA Method 20*	Method 20 is listed under 40CFR335 as the appropriate test method for NSPS gas turbines.
CO	EPA Method 10*	
VOC	EPA Method 25*	
Opacity	EPA Method 9*	If NSPS source, IDAPA 58.01.01.625 and Method 9; otherwise, IDAPA 58.01.01.625 only.

* Or Department-approved alternative in accordance with IDAPA 58.01.01.157

Compliance Testing

A.16. If testing is required, the permittee shall provide notice of intent to test to the Department at least fifteen (15) days prior to the scheduled test or shorter time period as provided in a permit, order, consent decree, or by Department approval. The Department may, at its option, have an observer present at any emissions tests conducted on a source. The Department requests that such testing not be performed on weekends or state holidays.

All testing shall be conducted in accordance with the procedures in IDAPA 58.01.01.157. Without prior Department approval, any alternative testing is conducted solely at the permittee's risk. If the permittee fails to obtain prior written approval by the Department for any testing deviations, the Department may determine that the testing does not satisfy the testing requirements. Therefore, prior to conducting any compliance test, the permittee is strongly encouraged to submit in writing to the Department, at least thirty (30) days in advance, the following for approval:

- ▶ The type of method to be used;
- ▶ Any extenuating or unusual circumstances regarding the proposed test; and
- ▶ The proposed schedule for conducting and reporting the test.

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Within forty-five (45) days following the date in which a compliance test required by this permit is concluded, the permittee shall submit to DEQ a compliance test report for the respective test. The compliance test report shall include all process operating data collected during the test period as well as the test results, raw test data, and associated documentation, including any approved test protocol.

The proposed test date(s), test date rescheduling notice(s), compliance test report, and all other correspondence shall be sent to:

Air Quality Permit Compliance
Department of Environmental Quality
Pocatello Regional Office
224 South Arthur
Pocatello, ID 83204
Phone: (208) 236-6160 Fax: (208) 236-6168

[IDAPA 58.01.01.157, 4/5/00; 322.06, .08.a, .09, 5/1/94]

Recycling and Emissions Reduction

- A.17. The permittee shall comply with applicable standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction.

[40 CFR 82 Subpart F]

NSPS

The following conditions apply to each NSPS source at the facility:

- A.18. All requests, reports, applications, submittals, and other communications to the Administrator pursuant to 40 CFR 60 (NSPS) shall be submitted in duplicate to the Region X Office of the EPA to the attention of the Director of the Office of Air Quality. All information required to be submitted to EPA for applicable NSPS requirements, must also be submitted to DEQ.

[40 CFR 60.4]

- A.19. A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days, or as soon as practicable, before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice.

[40 CFR 60.7(a)(4)]

- A.20. Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative.

[40 CFR 60.7(b)]

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SOURCE
A. FACILITY-WIDE CONDITIONS

- A.21. Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under Section 114 of the Act.

Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard.

The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated state or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated state or local agency) by mutual agreement.

The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows:

- (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.
- (2) Safe sampling platform(s).
- (3) Safe access to sampling platform(s).
- (4) Utilities for sampling and testing equipment.

Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.

[40 CFR 60.8]

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE
A. FACILITY-WIDE CONDITIONS

- A.22. The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard. [40 CFR 60.11(c)]
- A.23. At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]
- A.24. For the purpose of submitting compliance certifications or establishing whether or not a person has violated, or is in violation of any standard in this part, nothing in this part shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [40 CFR 60.11(g)]
- A.25. No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]
- A.26. A change to an existing facility may constitute a modification or reconstruction as described in 40 CFR 60.14 and 15 respectively. The source can request a determination of reconstruction or modification as described in 40 CFR 60.5. [40 CFR 60.5, 14, & 15]

ISSUED:	January 3, 2001
EXPIRES:	January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 000004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

B. UNIT 2, SOLAR T-4500 TURBINE

B. UNIT 2, SOLAR T-4500 TURBINE

The following requirements apply to the T-4500 turbine:

Permit Condition	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring & Record-keeping Requirements
B.1	PM	0.015 gr/dscf @ 3% O ₂	IDAPA 58.01.01.676	B.6, B.8,
B.2	NO _x	0.016 % by volume	40 CFR 60.332(c)	B.8, B.9, B.11, B.13, B.15
B.3	NO _x	18.9 lbs/hr 65.8 tons/yr	PTC 007-00004, 12/8/95	B.8, B.11, B.13, B.14
B.4	SO ₂	0.93 lbs/hr 4.08 tons/yr	PTC 007-00004, 12/8/95	B.8, B.12, B.13, B.14, B.15
B.5	Opacity	20% for more than 3 minutes in any 60-minute period.	IDAPA 58.01.01.625	B.6, B.8
B.6	Fuel	Natural gas only	IDAPA 58.01.01.322.06	B.8
B.7	Fuel Sulfur	0.8% by weight	40 CFR 60.333(b)	B.12

- B.1 Particulate matter (PM) emissions from the turbine shall not exceed 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to three percent (3%) oxygen by volume.
[IDAPA 58.01.01.676, 5/1/94]
- B.2 Emissions of nitrogen oxides (NO_x) from the turbine shall not exceed 0.016 percent by volume.
[40 CFR 60.332(c) and 60.332(a)(2), 1/27/82]
- B.3 Emissions of NO_x from the turbine shall not exceed any of the following: 18.9 pounds per hour (lb/hr); 65.8 tons per year (T/yr).
[PTC 0007-0004, 12/8/95]
- B.4 Emissions of SO₂ from the turbine shall not exceed any of the following: 0.93 pounds per hour (lb/hr); 4.08 tons per year (T/yr).
[PTC 0007-0004, 12/8/95]
- B.5 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period which is greater than twenty percent (20%) opacity as determined by procedures contained in IDAPA 58.01.01.625.
[IDAPA 58.01.01.625, 5/1/94]
- B.6 The turbine shall be fired by natural gas exclusively.
[IDAPA 58.01.01.322.06, 5/1/94]

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

B. UNIT 2, SOLAR T-4500 TURBINE

- B.7 No fuel containing sulfur in excess of 0.8 percent by weight shall be burned.

[40 CFR 60.333(b), 9/10/79]

- B.8 The permittee shall monitor and record the fuel usage for the turbine continuously using a fuel flow meter. The fuel flow meter shall be calibrated once each year. The date and time of each calibration and any maintenance performed on the fuel meters shall also be recorded. Each calendar month, the permittee shall record total monthly fuel usage and maximum hourly fuel usage for each turbine.

[IDAPA 58.01.01.322.07.a, 5/1/94]

- B.9 If a replacement turbine is installed, the permittee shall conduct an initial performance test to measure oxides of nitrogen emissions in accordance with the test methods and procedures in 40 CFR 60.8 and 60.335 and Condition A.15 of this permit. Emissions, throughput, and horsepower of replacement turbines shall not exceed emission limits, throughput limits, and horsepower of the existing unit.

The permittee shall notify DEQ of each engine replacement at least 30 days before the change out, or in emergency situations where the permittee does not know 30 days in advance, within two days of determining that a change out is required. The notification shall include a statement as to whether the unit being installed has been or will be reconstructed, as defined in 40 CFR 60.15.

[40 CFR 60.335, 6/27/89]

- B.10 The permittee shall record the following information each time a turbine is replaced:

B.10.1 Date the change-out occurred;

B.10.2 Description of the maintenance and repairs performed on the turbine since it was last in service;

B.10.3 Identify the replaced turbine and replacement turbine by make, model, serial number, and location; and

B.10.4 A demonstration showing that the change did not result in an increase in emission of any pollutant or the emission of a new pollutant not previously emitted.

This information shall be recorded and maintained on site for at least 5 years from the date of issuance of this permit.

[IDAPA 58.01.01.322.07, 5/1/94]

- B.11 The permittee shall conduct annual performance tests. The first performance test shall be conducted within one (1) year after the issuance date of this permit to measure NO_x emissions from the turbine exhaust stack. The tests shall be performed while the turbine is operating at the maximum achievable full load conditions. If the results from two (2) consecutive tests show NO_x emissions from the turbine is less than seventy-five percent (75%) of the lb/hr emission limit in Condition B.3 and the NO_x percent by volume limit in Condition B.2, then no further testing of the turbine for that pollutant is required during the rest of the permit term.

Emission testing methods shall be in accordance with the test methods and procedures in 40 CFR 60.335, IDAPA 58.01.01.157, and Conditions A.15. and A.16. of this permit. The turbine conditions to be monitored and recorded include, but are not limited to, the gas producer speed (percent), the airflow, and the sample length. The method for determining all these parameters shall be reported with the emission test data.

[IDAPA 58.01.01.322.06, 5/1/94]

ISSUED:	December 29, 2000
EXPIRES:	December 29, 2003

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

B. UNIT 2, SOLAR T-4500 TURBINE

- B.12 As long as the turbine is burning pipeline-quality natural gas, the permittee shall monitor fuel sulfur content in accordance with the January 19, 1999, custom fuel compliance monitoring schedule approved by the EPA Region 10. In accordance with this agreement, Northwest Pipeline (NWP) shall perform semiannual fuel sulfur analysis at the Sumas, Stanfield or Plymouth, Muddy Creek, La Plata B, and Pleasant View Compressor stations. The length of Stain Tube method shall be used to analyze sulfur content at these stations with the exception of Sumas, where EPA Region 10 has approved the use of the Medor Gas Chromatograph method. In accordance with this same agreement, nitrogen content monitoring will be waived.

[40 CFR 60.334(b)(2), 1/27/82, January 19, 1999, custom fuel compliance monitoring schedule approved by EPA Region 10]

- B.13 At least once per month, and using the equations in Appendix B, the permittee shall calculate and record for the T-4500 turbine:

B.13.1 The highest hourly emissions rate for each of the following pollutants: NO_x and SO₂;

B.13.2 The total emissions of the following pollutants: NO_x and SO₂ for the most recent twelve (12) month period;

B.13.3 The highest percent by volume NO_x emissions; and

B.13.4 If the calculated emissions for Conditions B.13.1, B.13.2, or B.13.3 exceed any limit in this permit, the permittee shall calculate the hourly emission rate for each hour in the month for the pollutant and record the number of hours of violation.

[IDAPA 58.01.01.322.06, 5/1/94]

- B.14 The permittee shall submit a written report of the turbine performance tests to DEQ, within forty-five (45) days after finishing the emission tests in accordance with condition A.16 of this permit. The information required to be recorded during the performance tests shall also be submitted as part of the report.

[IDAPA 58.01.01.322.06, 5/1/94 and .157, 4/5/00]

- B.15 At least once during the permit term, the permittee shall perform a performance test to measure SO₂ emissions from the turbine exhaust stack. The tests shall be performed while the turbines are operating at the maximum achievable full load conditions. Emission factors shall be developed from the performance test results and used for the calculations in B.13.1 and B.13.2.

Emission testing methods shall be in accordance with the test methods and procedures in IDAPA 58.01.01.157 and Conditions A.15 and A.16 of this permit. The turbine conditions to be monitored and recorded include, but are not limited to, the gas producer speed (percent), the airflow, and the sample length. The method for determining all these parameters shall be reported with the emission test data.

[IDAPA 58.01.01.322.06, 5/1/94]

- B.16 The permittee shall comply with Facility-wide Conditions A.18.-A.26. of this permit for Unit 2, Solar T-4500 Turbine.

[40 CFR 60, Appendix A]

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

C. UNIT 1, SOLAR T-4700 TURBINE

C. UNIT 1, SOLAR T-4700 TURBINE

The following requirements apply to the T-4700 turbine:

Permit Condition	Parameter	Permit Limit/ Standard Summary	Applicable Requirements Reference	Monitoring & Record- keeping Requirements
C.1	PM	0.015 gr/dscf @ 3% O ₂	IDAPA 58.01.01.676	C.6, C.8
C.2	NO _x	0.016 % by volume	40 CFR 60.332(c)	C.8, C.9, C.11, C.13, C.14
C.3	NO _x	22.6 lbs/hr; 98.9 tons/yr	PTC 007-00004, 12/8/95	C.8, C.11, C.13, C.14
C.4	SO ₂	1.00 lbs/hr; 4.42 tons/yr	PTC 007-00004, 12/8/95	C.8, C.12, C.13, C.14, C.15
C.5	Opacity	20% for more than 3 minutes in any 60-minute period.	IDAPA 58.01.01.625	C.6, C.8
C.6	Fuel	Natural gas only	IDAPA 58.01.01.322.06	C.8
C.10	Fuel Sulfur	0.8% by weight	40 CFR 60.333(b)	C.12

- C.1 Particulate Matter (PM) emissions from the turbine shall not exceed 0.015 grains per dry standard cubic foot (gr/dscf) of effluent gas corrected to three percent (3%) oxygen by volume.
[IDAPA 58.01.01.676, 5/1/94]
- C.2 Emissions of nitrogen oxides (NO_x) from the turbine shall not exceed 0.016 percent by volume.
[40 CFR 60.332(c) and 60.332(a)(2), 1/27/82]
- C.3 Emissions of NO_x from the turbine shall not exceed any of the following: 22.6 pounds per hour (lb/hr); 98.9 tons per year (T/yr).
[PTC 0007-0004, 12/8/95]
- C.4 Emissions of SO₂ from the turbine shall not exceed any of the following: 1.00 lb/hr; 4.42 T/yr.
[PTC 0007-0004, 12/8/95]
- C.5 No person shall discharge any air pollutant to the atmosphere from any point of emission for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period which is greater than twenty percent (20%) opacity as determined by procedures contained in IDAPA 58.01.01.625.
[IDAPA 58.01.01.625, 5/1/94]
- C.6 The turbine shall be fired by natural gas exclusively.
[IDAPA 58.01.01.322.06]
- C.7 No fuel containing sulfur in excess of 0.8 percent by weight shall be burned.
[40 CFR 60.333(b), 9/10/79]

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

C. UNIT 1, SOLAR T-4700 TURBINE

- C.8 The permittee shall monitor and record the fuel usage for the turbine continuously using a fuel flow meter. The fuel flow meter shall be calibrated once each year. The date and time of each calibration and any maintenance performed on the fuel meters shall also be recorded. Each calendar month, the permittee shall record total monthly fuel usage and maximum hourly fuel usage for the turbine.

[IDAPA 58.01.01.322.07.a, 5/1/94]

- C.9 If a replacement turbine is installed, the permittee shall conduct an initial performance test to measure oxides of nitrogen emissions in accordance with the test methods and procedures in 40 CFR 60.8 and 60.335 and Condition A.15 of this permit. Emissions, throughput, and horsepower of replacement turbines shall not exceed emission limits, throughput limits, and horsepower of the existing unit.

The permittee shall notify DEQ of each turbine replacement at least 30 days before the change out, or in emergency situations where the permittee does not know 30 days in advance, within two days of determining that a change out is required. The notification shall include a statement as to whether the unit being installed has been or will be reconstructed, as defined in 40 CFR 60.15.

[40 CFR 60.335, 6/27/89]

- C.10 The permittee shall record the following information each time an turbine is replaced:

C.10.1 Date the change-out occurred;

C.10.2 Description of the maintenance and repairs performed on the turbine since it was last in service;

C.10.3 Identify the replaced turbine and replacement turbine by make, model, serial number, and location; and

C.10.4 A demonstration showing that the change did not result in an increase in emission of any pollutant or the emission of a new pollutant not previously emitted.

This information shall be recorded and maintained on site for at least 5 years from the date of issuance of this permit.

[IDAPA 58.01.01.322.07, 5/1/94]

- C.11 The permittee shall conduct annual performance tests. The first performance test shall be conducted within one (1) year after the issuance date of this permit to measure NO_x emissions from the turbine exhaust stack. The tests shall be performed while the turbines are operating at the maximum achievable full load conditions. If the results from two (2) consecutive tests show NO_x emissions from the turbines is less than seventy-five percent (75%) of the lb/hr emission limit in Condition C.3 and the NO_x percent by volume limit in Condition C.2, then no further testing of the turbine for that pollutant is required during the rest of the permit term.

Emission testing methods shall be in accordance with the test methods and procedures in 40 CFR 60.335, IDAPA 58.01.01.157, and Conditions A.15 and A.16 of this permit. The turbine conditions to be monitored and recorded include, but are not limited to, the gas producer speed (percent), the airflow, and the sample length. The method for determining all these parameters shall be reported with the emission test data.

[IDAPA 58.01.01.322.06, 5/1/94]

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

C. UNIT 1, SOLAR T-4700 TURBINE

- C.12 As long as the turbine is burning pipeline-quality natural gas, the permittee shall monitor fuel sulfur content in accordance with the January 19, 1999, custom fuel compliance monitoring schedule approved by the EPA, Region 10. In accordance with this agreement, NWP shall perform semiannual fuel sulfur analysis at the Sumas, Stanfield or Plymouth, Muddy Creek, La Plata B, and Pleasant View Compressor Stations.

The length of Stain Tube method shall be used to analyze sulfur content at these stations with the exception of Sumas, where EPA Region 10 has approved the use of the Medor Gas Chromatograph method. In accordance with this same agreement, nitrogen content monitoring will be waived.

[40 CFR 60.334(b)(2), 1/27/82,

January 19, 1999, custom fuel compliance monitoring schedule approved by EPA Region 10]

- C.13 At least once per month and using the equations in Appendix B, the permittee shall calculate and record for the T-4700 turbine:

C.13.1 The highest hourly emissions rate for each of the following pollutants: NO_x and SO₂;

C.13.2 The total emissions of the following pollutants: NO_x and SO₂ for the most recent twelve (12) month period;

C.13.3 The highest percent by volume NO_x emissions; and

C.13.4 If the calculated emissions for Conditions C.13.1, C.13.2, or C.13.3 exceed any limit in this permit, the permittee shall calculate the hourly emission rate for each hour in the month for the pollutant and record the number of hours of violation.

[IDAPA 58.01.01.322.06, 5/1/94]

- C.14 The permittee shall submit a written report of the turbine performance tests to DEQ within forty-five (45) days after finishing the emission tests in accordance with Condition A.16 of this permit. The information required to be recorded during the performance tests shall also be submitted as part of the report.

[IDAPA 58.01.01.322.06, 5/1/94 and .157, 4/5/00]

- C.15 At least once during the permit term, the permittee shall perform a performance test to measure SO₂ emissions from the turbine exhaust stack. The tests shall be performed while the turbines are operating at the maximum achievable full load conditions. Emission factors shall be developed from the performance test results and used for the calculations in C.13.1 and C.13.2.

Emission testing methods shall be in accordance with the test methods and procedures in IDAPA 58.01.01.157 and Conditions A.15. and A.16. of this permit. The turbine conditions to be monitored and recorded include, but are not limited to, the gas producer speed (percent), the airflow, and the sample length. The method for determining all these parameters shall be reported with the emission test data.

[IDAPA 58.01.01.322.06, 5/1/94]

- C.16 The permittee shall comply with Sections A.18.-A.26. of this permit for Unit 1, Solar T-4700 Turbine.

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE
D. INSIGNIFICANT ACTIVITIES
D. INSIGNIFICANT ACTIVITIES

Activities and emission units identified as insignificant under IDAPA 58.01.01.317.01(b) are required to be listed in the Tier I OP to qualify for a permit shield.

Emission Unit Description	Insignificant Activities IDAPA Citation Section 317.01(b)(I)
Fuel Gas Heater	5
Back-up Air Compressor	5
Space Heaters	5
Natural Gas Pipeline and Fuel System	30

- D.1 There are no monitoring, recordkeeping, or reporting requirements for insignificant emission units or activities beyond those required in Part A (Facility-wide Conditions) of this permit.

[IDAPA 58.01.01.322.06]

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE

Appendix A

APPENDIX A
NORTHWEST PIPELINE CORPORATION - PEGRAM COMPRESSOR STATION
POINT SOURCE HOURLY (lb/hr) AND ANNUAL (T/yr) EMISSION LIMITS

Source Description	NO _x		SO ₂	
	(lb/hr)	(T/yr)	(lb/hr)	(T/yr)
T-4500 Turbine, Unit 2 or replacement	18.9	65.8	0.93	4.08
T-4700 Turbine, Unit 1 or replacement	22.6	98.9	1.00	4.42
TOTAL	41.5	164.7	1.93	8.50

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

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SOURCE
APPENDIX B
APPENDIX B
NORTHWEST PIPELINE CORPORATION - PEGRAM COMPRESSOR STATION
EQUATIONS FOR CONDITION B.12.1
NO_x

$$E_h = 0.44 \text{ lb/MMBTU}^1 \times \text{highest hourly fuel flow in MMft}^3/\text{hour} \times 1050 \frac{\text{MMBTU}}{\text{MMft}^3}$$

SO₂

$$E_h = 0.006 \text{ lb/MMBTU}^2 \times \text{highest hourly fuel flow in MMft}^3/\text{hour} \times 1050 \frac{\text{MMBTU}}{\text{MMft}^3}$$

EQUATIONS FOR CONDITION B.12.2

These annual emission rates shall be based on the most recent twelve (12) month period. Using the same equations as in Condition B.12.1,

$$E_y = E_{h1} + E_{h2} + \dots + E_{h12}$$

where E_y is the annual emission rate, and E_{h1} through E_{h12} are the hourly emission rates calculated each month for Condition B.12.1 for the most recent twelve (12) month period. Before twelve (12) full months have calculated emission rates, operating data for the most recent twelve (12) month period will be used as follows to calculate annual emissions:

$$E_y = E_h \times \text{hours of operation for most recent twelve (12) month period}$$

where E_h is the highest hourly emission rate calculated for Condition B.12.1 in the most recent twelve (12) month period.

EQUATIONS FOR CONDITION B.12.3

From the August 31, 1993, stack test, we know that 1 lb/hr of NO_x is equivalent to 8.4 dscf/hr of NO_x exhaust at ISO standard conditions at fifteen percent (15%) O₂. Therefore,

$$C_{\text{NOX}} = E_h \times 8.4 \frac{\text{dscf/hr}}{\text{lb/hr}} / \text{average volume flow (dscf/hr)}$$

¹ AP-42, 5th Edition, Table 3.1-2.

² AP-42, 5th Edition, Table 3.1-2. Assuming S= 0.0064 percent sulfur.

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

**AIR POLLUTION OPERATING PERMIT
PERMITTEE, PROJECT, AND LOCATION**

Northwest Pipeline Corporation
Tier I Operating Permit
Pegram, Idaho

PERMIT NUMBER

007 - 00004

The permittee is hereby allowed to operate the equipment described herein subject to all terms and conditions in the permit.

SOURCE
APPENDIX B

where C_{NOX} = percent by volume NO_x emissions
 E_h = highest hourly NO_x emissions calculated for Condition B.12.1

EQUATIONS FOR CONDITION C.12.1
 NO_x

$$E_h = 0.45 \text{ lb/MMBTU}^3 \times \text{highest hourly fuel flow in MMft}^3/\text{hour} \times 1050 \frac{\text{MMBTU}}{\text{MMft}^3}$$

 SO_2

$$E_h = 0.006 \text{ lb/MMBTU}^4 \times \text{highest hourly fuel flow in MMft}^3/\text{hour} \times 1050 \frac{\text{MMBTU}}{\text{MMft}^3}$$

EQUATIONS FOR CONDITION C.12.2

These annual emission rates shall be based on the most recent twelve (12) month period. Using the same equations as in Condition C.12.1,

$$E_y = E_{h1} + E_{h2} + \dots + E_{h12}$$

where E_y is the annual emission rate, and E_{h1} through E_{h12} are the hourly emission rates calculated each month for Condition C.12.1 for the most recent twelve (12) month period. Before twelve (12) full months have calculated emission rates, operating data for the most recent twelve (12) month period will be used as follows to calculate annual emissions:

$$E_y = E_h \times \text{hours of operation for most recent twelve (12) month period}$$

where E_h is the highest hourly emission rate calculated for Condition C.12.1 in the most recent twelve (12) month period.

EQUATIONS FOR CONDITION C.12.3

From the January 16, 1996, stack test, we know that at ISO standard conditions at fifteen percent (15%) O_2 , 1 lb/hr of NO_x is equivalent to 12.0 dscf/hr of NO_x exhaust. Therefore,

$$C_{NOX} = E_h \times 12.0 \frac{\text{dscf/hr}}{\text{lb/hr}} / \text{average volume flow (dscf/hr)}$$

where C_{NOX} = percent by volume NO_x emissions
 E_h = highest hourly NO_x emissions calculated for Condition C.12.1

³ Calculated from January 16, 1996 stack test of T-4700 turbine at Pegram compressor station performed by Cubix

⁴ AP-42, 5th Edition, Table 3.1-2. Assuming S= 0.0064 percent sulfur.

ISSUED: January 3, 2001
EXPIRES: January 3, 2004

TIER I OPERATING PERMIT GENERAL PROVISIONS

GENERAL COMPLIANCE

1. The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application.
[IDAPA 58.01.01.322.15.a; 40 CFR § 70.6(a)(6)(i)]
2. It shall not be a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the terms and conditions of this permit.
[IDAPA 58.01.01.322.15.b; 40 CFR § 70.6(a)(6)(ii)]
3. Any permittee who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information.
[IDAPA 58.01.01.315.01; 40 CFR § 70.5(b)]

REOPENING

4. This permit may be revised, reopened, revoked and reissued, or terminated for cause. Cause for reopening exists under any of the circumstances listed in IDAPA 58.01.01.386. Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Such reopening shall be made as expeditiously as practicable in accordance with IDAPA 58.01.01.360 through 369.
[IDAPA 58.01.01.322.15.c; IDAPA 58.01.01.386; 40 CFR § 70.7(f)(1) and (2); 40 CFR § 70.6(a)(6)(iii)]
5. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
[IDAPA 58.01.01.322.15.d; 40 CFR § 70.6(a)(6)(iii)]

PROPERTY RIGHTS

6. This permit does not convey any property rights of any sort, or any exclusive privilege.
[IDAPA 58.01.01.322.15.e; 40 CFR § 70.6(a)(6)(iv)]

INFORMATION REQUESTS

7. The permittee shall furnish all information requested by DEQ, within a reasonable time, that DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing or terminating the permit or to determine compliance with the permit.
[Idaho Code § 39-108; IDAPA 58.01.01.122 and 322.15.f; 40 CFR § 70.6(a)(6)(v)]
8. Upon request, the permittee shall furnish to DEQ copies of records required to be kept by this permit. For information claimed to be confidential, the permittee may furnish such records along with a claim of confidentiality in accordance with Idaho Code §9-342A and applicable implementing regulations including IDAPA 58.01.01.128.
[IDAPA 58.01.01.322.15.g; IDAPA 58.01.01.128; 40 CFR § 70.6(a)(6)(v)]

SEVERABILITY

9. The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
[IDAPA 58.01.01.322.15.h; 40 CFR § 70.6(a)(5)]

ISSUED:	January 3, 2001
EXPIRES:	January 3, 2004

CHANGES REQUIRING PERMIT REVISION OR NOTICE

10. The permittee may not commence construction or modification of any stationary source, facility, major facility, or major modification without first obtaining all necessary permits to construct or an approval under Section 213, or complying with Section 220 through 223. The permittee shall comply with Sections 380 through 386 as applicable.
[IDAPA 58.01.01.200 through 223; IDAPA 58.01.01.322.15.i;
IDAPA 58.01.01.380 through 386; 40 CFR § 70.4(b)(12), (14) and (15), and § 70.7(d) and (e),
Section 213 is a state-only requirement, but has been submitted to EPA for federal approval.]
11. Changes that are not addressed or prohibited by the Tier I operating permit require a Tier I operating permit revision if such changes are subject to any requirement under Title IV of the CAA, 42 USC Section 7651 through 7651c, or are modifications under Title I of the CAA, 42 USC Section 7401 through 7515. Administrative amendments (Section 381), minor permit modifications (Section 383), and significant permit modifications (Section 382) require a revision to the Tier I operating permit. Section 502(b)(10) charges are authorized in accordance with Section 384. Off-permit changes and required notice are authorized in accordance with Section 385.
[IDAPA 58.01.01.381 through 385; IDAPA 58.01.01.209.05; 40 CFR § 70.4(b)(14) and (15)]

FEDERAL AND STATE ENFORCEABILITY

12. Unless specifically identified as a "state-only" provision, all terms and conditions in this permit, including any terms and conditions designed to limit a source's potential to emit, are enforceable: (i) By DEQ in accordance with state law; and (ii) by the United States or any other person in accordance with federal law.
[IDAPA 58.01.01.322.15.j; 40 CFR § 70.6(b)(1) and (2)]
13. Provisions specifically identified as a "state-only" provision are enforceable only in accordance with state law. "State-only" provisions are those that are not required under the Federal Clean Air Act or under any of its applicable requirements or those provisions adopted by the state prior to federal approval.
[Idaho Code § 39-108; IDAPA 58.01.01.322.15.k]

INSPECTION AND ENTRY

14. Upon presentation of credentials, the permittee shall allow DEQ or an authorized representative of DEQ to do the following:
- Enter upon the permittee's premises where a Tier I source is located or emissions related activity is conducted, or where records are kept under conditions of this permit;
 - Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;
 - Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - As authorized by the Idaho Environmental Protection and Health Act, sample or monitor, at reasonable times, substances or parameters for the purpose of determining or ensuring compliance with this permit or applicable requirements.
- [Idaho Code §39-108; IDAPA 58.01.01.322.15.i; 40 CFR § 70.6(c)(2)]

NEW REQUIREMENTS DURING PERMIT TERM

15. The permittee shall comply with applicable requirements that become effective during the permit term on a timely basis.
[IDAPA 58.01.01.322.10; IDAPA 58.01.01.314.10.a.ii; 40 CFR § 70.6(c)(3) citing § 70.5(c)(8)]

FEES

16. The owner or operator of a Tier I source shall pay annual registration fees to DEQ in accordance with IDAPA 58.01.01.525 through IDAPA 58.01.01.538.
[IDAPA 58.01.01.322.15.n; 40 CFR § 70.6(a)(7)]

ISSUED:	January 3, 2001
EXPIRES:	January 3, 2004

CERTIFICATION

17. All documents submitted to DEQ shall be certified in accordance with IDAPA 58.01.01.123 and comply with IDAPA 58.01.01.124.

[IDAPA 58.01.01.322.15.o; 40 CFR § 70.6(a)(3)(iii)(A); 40 CFR § 70.5(d)]

RENEWAL

18. a. The owner or operator of a Tier I source shall submit an application to DEQ for a renewal of this permit at least six (6) months before, but no earlier than eighteen (18) months before, the expiration date of this operating permit. To ensure that the term of the operating permit does not expire before the permit is renewed, the owner or operator is encouraged to submit a renewal application nine (9) months prior to the date of expiration.

[IDAPA 58.01.01.313.03; 40 CFR § 70.5(a)(1)(iii)]

- b. If a timely and complete application for a Tier I operating permit renewal is submitted, but DEQ fails to issue or deny the renewal permit before the end of the term of this permit, then all the terms and conditions of this permit including any permit shield that may have been granted pursuant to Section 325 shall remain in effect until the renewal permit has been issued or denied.

[IDAPA 58.01.01.322.15.p; 40 CFR § 70.7(b)]

PERMIT SHIELD

19. Compliance with the terms and conditions of the Tier I operating permit, including those applicable to all alternative operating scenarios and trading scenarios, shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

- a. Such applicable requirements are included and are specifically identified in the Tier I operating permit; or
- i. DEQ has determined that other requirements specifically identified are not applicable and all of the criteria set forth in IDAPA 58.01.01.325.01(b) have been met.
- b. The permit shield shall apply to permit revisions made in accordance with IDAPA 58.01.01.381.04 (administrative amendments incorporating the terms of a permit to construct), Section 382.04 (significant modifications), and Section 384.03 (trading under an emissions cap).
- c. Nothing in this permit shall alter or affect the following:
- i. Any administrative authority or judicial remedy available to prevent or terminate emergencies or imminent and substantial dangers;
- ii. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of the acid rain program, consistent with 42 U.S.C. Section 7651(g)(a); and
- iv. The ability of EPA to obtain information from a source pursuant to Section 114 of the CAA; or the ability of DEQ to obtain information from a source pursuant to Idaho Code §§ 39-108 and IDAPA 58.01.01.122.
[Idaho Code §§ 39-108 and 112; IDAPA 58.01.01.122; IDAPA 58.01.01.322.15.m; IDAPA 58.01.01.325; IDAPA 58.01.01.381.04; IDAPA 58.01.01.382.04; IDAPA 58.01.01.383.05; IDAPA 58.01.01.384.03; IDAPA 58.01.01.385.03; 40 CFR § 70.6(f)]

COMPLIANCE SCHEDULE AND PROGRESS REPORTS

20. a. For each applicable requirement for which the source is not in compliance, the permittee shall comply with the compliance schedule incorporated in this permit.
- b. For each applicable requirement that will become effective during the term of this permit and that provides a detailed compliance schedule, the permittee shall comply with such requirements in accordance with the detailed schedule.
- c. For each applicable requirement that will become effective during the term of this permit that does not contain a more detailed schedule, the permittee shall meet such requirements on a timely basis.

ISSUED:	January 3, 2001
EXPIRES:	January 3, 2004

- d. For each applicable requirement with which the permittee is in compliance, the permittee shall continue to comply with such requirements.

[IDAPA 58.01.01.322.10; IDAPA 58.01.01.314.9 & .10; 40 CFR 70.6(c)(3) and (4)]

PERIODIC COMPLIANCE CERTIFICATION

21. The permittee shall submit compliance certifications during the term of the permit for each emissions unit to DEQ and the EPA as follows:
- a. Compliance certifications for all emissions units shall be submitted annually beginning twelve (12) months from the permit issuance date, or more frequently if specified by the underlying applicable requirement or elsewhere in this permit by DEQ;
 - b. The compliance certification for each emissions unit shall address all of the terms and conditions contained in the Tier I operating permit that are applicable to such emissions unit including emissions limitations, standards, and work practices;
 - d. The compliance certification shall be in an itemized form providing the following information (provided that the identification of applicable information may cross-reference the permit or previous reports as applicable):
 - i. The identification of each term or condition of the Tier I operating permit that is the basis of the certification;
 - ii. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the methods and means required by this Tier I operating permit. If necessary, the owner or operator shall identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the CAA which prohibits knowingly making a false certification or omitting material information;
 - iii. The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Paragraph 21.c.ii above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;
 - iv. Such other facts as DEQ may require to determine the compliance status of the source.
 - e. All original compliance certifications shall be submitted to DEQ and a copy of all compliance certifications shall be submitted to the EPA.

[IDAPA 58.01.01.322.11; 40 CFR § 70.6(c)(5)(iii) as amended, 62 Fed. Reg. 54900, 54946 (October 22, 1997);
40 CFR § 70.6(c)(5)(iv)]

FALSE STATEMENTS

22. No person shall knowingly make any false statement representation or certification in any form, notice or report required under this permit, or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.125]

NO TAMPERING

23. No person shall knowingly render inaccurate any monitoring device or method required under this permit or any applicable rule or order in force pursuant thereto.

[IDAPA 58.01.01.126]

SEMI-ANNUAL MONITORING REPORTS

24. In addition to all applicable reporting requirements identified in this permit, the permittee shall submit reports of any required monitoring at least every six (6) months starting six (6) months from the date of permit issuance. All instances of deviations from this operating permit's requirements must be clearly identified in the report. All required reports must be certified in accordance with IDAPA 58.01.01.123.

[IDAPA 58.01.01.322.15.q and 322.08.c; 40 CFR § 70.6(a)(3)(iii)]

ISSUED:	December 29, 2000
EXPIRES:	December 29, 2003

REPORTING DEVIATIONS

25. The permittee shall promptly report all deviations from permit requirements including upset conditions, their probable cause, and any corrective actions or preventive measures taken. For excess emissions, the report shall be made in accordance with IDAPA 58.01.01.130-136. For all other deviations, the report shall be made in accordance with IDAPA 58.01.01.322.08.c, unless otherwise specified in this permit.

[IDAPA 58.01.01.322.15.q; IDAPA 58.01.01.135; 40 CFR § 70.6(a)(3)(iii)]

PERMIT REVISION NOT REQUIRED

26. No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit.

[IDAPA 58.01.01.322.05.b; 40 CFR § 70.6(a)(8)]

EMERGENCY

27. In accordance with IDAPA 58.01.01.332, an "Emergency" as defined at IDAPA 58.01.01.008., constitutes an affirmative defense to an action brought for noncompliance with such technology-based emissions limitation if the conditions of IDAPA 58.01.01.332.02 are met.

[IDAPA 58.01.01.332.01; 40 CFR § 70.6(g)]

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